

Attleboro: The Dodgeville Pond Dam is a run-of-the-river structure located just off South Main Street. This 400 foot long dam is an earth embankment structure with mid- to large-size stones/riprap extending up the upstream slope to three feet below the top of dam. The top of the dam is paved and provides access to a commercial mill yard along the downstream side of the right embankment. A concrete bridge spans the 40 foot long spillway providing access to the right side of the embankment. This is a Significant Hazard (Class II) structure in Poor condition. While the structure is privately owned, the City of Attleboro is committed to having this structure refurbished as part of a larger master plan for improvements..

This award is for completing the design and requesting the necessary permits to rehabilitate the structure. The scope of the design will address the deficiencies identified in recent engineering inspections performed on the structure and improve flood control for the downtown reaches of the Ten Mile River. The design will also advance the adjacent development of an anticipated small hydro-electric generation facility under design through a grant awarded by the Massachusetts Clean Energy Center. The City intends to purchase the electricity generated by this facility to help advance its clean energy future. The design will include provisions that provide a conceptual or scoping design to accommodate improvements to diadromous fish migrations, including a future fish ladder. Attleboro is a Gateway City and is receiving support for park redevelopment and a riverwalk upstream of the Dodgeville Pond. The pond represents a significant recreational opportunity for the City. This project complements the riverwalk design funded through the Gateway Cities program.

Award: \$125,500 grant for design and permitting.

Gloucester: The Haskell Pond Dam is owned and managed by the City of Gloucester as part of its water supply network. The dam is a High Hazard (Class I) structure in poor condition. This 43 foot high, 480 foot long structure was built in 1902 and includes a 13.7 foot spillway. This award will provide funding for the design work and permitting necessary to refurbish the structure to ensure compliance with state law and provide construction documents to the City in anticipation of the reconstruction work to be performed.

Award: \$175,000 grant for design and permitting.

Millbury: The Ramshorn Pond Dam creates a significant recreational resource for the area. On the crest of the dam is a roadway which provides access to emergency response vehicles. This High Hazard (Class I) structure is in Poor condition. Should the dam fail, a flood wave could impact areas outside the 100-year flood plain for a distance of nearly 20 river miles downstream. Rehabilitation of the structure will include stormwater improvements (thereby improving downstream water quality), reconstruction of the spillway, and, with the addition of a canoe launch, public access improvements.

Award: \$500,000 grant, \$500,000 low interest loan (2%) for design, permitting, and reconstruction.

Swansea: Few dams are as picturesque as the Swansea Dam (formerly called the Lewin Brook Pond Upper Dam). This dam has become a local landmark within the town and provides a variety of opportunities for local residences; a backdrop for numerous photographs; recreational opportunity for canoeists, kayakers, and fishing enthusiasts; and an educational resource for an adjacent elementary school. Public access is provided to the pond at a parking lot next to the structure, as well as through a variety of hiking trails within Village Park to the east. Formerly owned by NRG Energy, the town purchased the dam in 2014 as part of a land deal to preserve significant tracts of open space in the community.

This is a Significant Hazard (Class II) structure determined to be in Poor condition. There are a number of breaches in the structure already, and an uncontrolled release could cause serious flooding downstream and shut off Stevens Road, a vital artery serving the town government offices and emergency responders. The culvert just downstream of the dam at Stevens Road would likely suffer severe damage due to the floodwater surge as well.

Award: \$450,000 grant for reconstruction

Walpole: The Turner Pond Dam is a Significant Hazard (Class II) structure in Poor condition. While neither the pond or the structure are part of the town's water supply system, it is believed that failure of the dam would not only cause damage downstream but also negatively impact the recharge functions of the water supply wells along the Mine Brook. Further, failure of the dam would remove any access to 17 homes on Mill Pond Road.

Refurbishing the dam will include removal of all large trees and woody vegetation as well as re-grading and stabilization of the slopes of the dam. Another goal of the project is to armor the structure in order to provide overtopping protection (the spillway is inadequate to safely pass the design storm, i.e. the 100 year flood). It will also be protective of public infrastructure, including an active railroad line located just downstream

Award: \$200,000 grant for reconstruction

Westfield: Constructed in 1899, The Winchell Reservoir Dam is located on Tillotson Brook in Granville, MA. The dam impounds a public water supply reservoir that can provide water for the City of Westfield via a pipeline but is currently not being used for this purpose. The city's Water Resources Division has determined that the reservoir is no longer needed as a potential water supply, therefore removal of this Significant Hazard (Class II) dam currently in Fair condition is in the best interests of the city and its citizens. Westfield has been working with the Division of Ecological Restoration to investigate the potential for ecological improvement through dam removal.

This project entails demolition of the granite spillway. The west endwall will be removed to restore a more natural condition, consistent with the surrounding bank. The east endwall and gatehouse will be left in place as a reminder of the historic significance the dam played in supplying water to the city.

Award: \$631,000 grant for dam removal